AEOS Intrusion Base Panel

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Specification Sheet

Businesses often see intrusion detection systems as a burden rather than a safety enhancing tool. This perception is usually based on past experiences with many false alarms, frequent operating errors and high costs related to alarm follow-up. With AEOS, you can simply arm and disarm the system, whether for one location or for all your sites worldwide. The unique security controller that handles not only intrusion data, but also access control data, guarantees that you get fast and comprehensive updates from your entire security system. The intrusion detection system is certified in accordance with the European Standard EN50131 certified components, so you know that you are using reliable, certified components.

Everything under control

Even if your system comprises a large number of detectors, zones and locations, they are easy to control in AEOS. Via the AEOS Interface you get a clear overview of your intrusion and access control system. All data – personal data, authorisations, PINs and locations – are stored in a single database. As soon as you deny a person access, AEOS also prevents that individual from operating the intrusion detection system. This is an easy way to ensure that former employees' authorizations are permanently and completely revoked. Since you are controlling this centrally, your system is always up to date. This saves you time and increases the level of security in your company.

The Intrusion Base Panel can be used both stand alone as well as integrated into the AEOS system. The panel includes the AP8001X AEOS processing unit (AEpu), one power supply, back-up battery and the AP3006 module to connect up to 16 supervised sensors and contacts to the system. Compatible and prepared for a Chiron IP dialer for connection to a monitoring centre, with dual path backup through GPRS. If connected to the IP network it communicates with other AEpus and IP-based devices in the network. Using the AEbus the AEpu can communicate with other AEpacks.

Specification Intrusion Base Panel (article no. 9962972)

Dimensions	470 x 460 x 110 mm
Weight	± 9500 gr
AEbus	AEbus communication and Power 230 VAC + 10% - 15% 47 - 63 Hz 1,2 A @ 230 VAC Isolated (+ non isolated only for internal use)
Isolated Bitrate (+ non isolated only for internal use)	high/low
Bitrate	high/low
Battery back-up	• Controlled and checked by AP3006, indicators for 'Battery Low' and 'Battery Powered' • Loading batteries by external power supply Isolated + Non Isolated
Environment	Temperature: Operating 0 - 55 °C · Storage -30 - 65 °C Relative humidity: 10 - 93% non-considering
Power output	Sensors: 4 x 12 VDC ± 10% max 200mA (each output) Reader: 12 VDC ± 10% max 200mA (each output)
Inputs	• 16: intended for dry contact or open collector (using open collector is not advised when using multi states on one input) optional supervised (by software, EOL value selectable, or 2 x 4k7 as default) • Tamper: intended for dry contact • AC_OK and BAT_LOW: dry contact or open collector

Outputs	• 2 dry contact (normally open, common, normally closed
	• Contact ratings (suitable for switching indictive loads, clean, relay contacts)
	  • Switching voltage: 24 VAC, 30 VDC (max 60 W)
	  • Continuous current: 2A (AC and DC)
	  • Contact lifetime: min 100.000 times at given ratings
	• 8 open collector outputs (open drain mosfets with internal power protection), mac 1000 mA
	
	'depending on connected device'

Indications	Status indications for sensor input (red), sensor power (green), outputs (green) battery status, ID and reader status (green)
Communication	2* RS485 (+12V, A, B, GND) for Nedap reader connections
Lead battery backup	Only checking, loading regulated by dedicated power supply

Cable specifications

Communication	• AEbus: only isolated (including power): 3 x 2 x 0,5 mm² shielded, max cable lenght 1000 meter • Only isolated (CL, CH, CGND): 2 x 2 x 0,5 mm² shielded, max cable lenght 1000 meter • Isolated+Non Isolated: 5 x 0,5 mm² shielded, max cable lenght 5 meter • Isolated+Non Isolated + AX2002: 2 x 2 x 0,5 mm² shielded, max cable lenght 300 meter Cable shield to metal case, recommended cable impedance: 120 Ohm • RS485: 2 x 2 x 0,25 mm² shielded, max cable lenght: 1000 meter
Inputs	X x 0,25 mm², max cable lenght: 100 meter, cable capacity <= 100pF/meter (depending on connected sensor)
Outputs	2 x 0,25 mm² shielded, max cable lenght: 1000 meter
More information	Contact your local Nedap supplier or check our website www.nedapsecurity.com